

# ILRI in Zambia and sub-Saharan Africa: Food safety, zoonoses and animal health

*Theo Knight-Jones*

Zambia Department of Agriculture and Veterinary Services planning workshop on  
milk testing and certification in Zambia  
18-19 June 2015, Monze, Zambia



ILRI  
INTERNATIONAL  
LIVESTOCK RESEARCH  
INSTITUTE



# Who we are

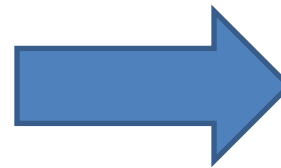


- **CGIAR is a global agricultural research partnership for a food secure future**
- **15 CGIAR agricultural research centres employing more than 8,500 researchers and support staff worldwide**
- **Annual budget of US\$800 million**



## Research Centres

AfricaRice  
Bioversity International  
Center for International Forestry Research (CIFOR)  
International Center for Agricultural Research in the Dry Areas (ICARDA)  
International Center for Tropical Agriculture (CIAT)  
International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)  
International Food Policy Research Institute (IFPRI)  
International Institute of Tropical Agriculture (IITA)  
International Livestock Research Institute (ILRI)  
International Maize and Wheat Improvement Center (CIMMYT)  
International Potato Center (CIP)  
International Rice Research Institute (IRRI)  
International Water Management Institute (IWMI)  
World Agroforestry Centre (ICRAF)  
WorldFish



ILRI's mission is...

to improve food and nutritional security and to reduce poverty in developing countries through research for efficient, safe and sustainable use of livestock

—ensuring better lives through livestock

# ILRI resources

- Staff: 700
- Budget: \$60 million
- 30+ scientific disciplines
- 130 senior scientists from 39 countries
- 56% of internationally recruited staff are from 22 developing countries
- Large campuses in Kenya and Ethiopia
- 70% of research in sub-Saharan Africa



# ILRI's research teams

Integrated sciences	Biosciences
Animal science for sustainable productivity	BecA-ILRI hub
Food safety and zoonoses	Vaccine platform
Livestock systems and the environment	Animal bioscience
Livelihoods, gender and impact	Feed and forage bioscience
Policy, trade, value chains	Bioscience facilities



# ILRI offices



## ILRI Zambia:

Myself + Dr Mwansa Songe

Hosted by WorldFish (Katima Mulilo Rd)

# My background

- From UK, livestock vet
- Specialised in vet epidemiology
  - BVSc, BSc, MSc, PhD, DipECVPH
  - The Pirbright Institute, Royal Veterinary College, London School of Hygiene & Tropical Medicine
  - OIE, FAO, UK gov, Swiss vet services
  - UK, Switzerland, Turkey, Iran, Botswana, Ethiopia, Somalia
  - FMD, AI, BVD, foodborne disease, SPS & TBDs
- ILRI - Food Safety and Zoonoses program
- Current projects:
  - Food safety in Zambia
  - Animal health challenges to Botswana beef exports (EU)
  - FAO-SADC training in FMD control
  - Foot-and-mouth disease smallholder impact
  - FMD vaccine evaluation
  - Neglected livestock diseases in Africa

## **Veterinary pathologist – Fish mycology**

- Aquaculture disease surveillance
  - Scottish and Norwegian hatcheries research
  - Sub-Saharan Africa aquatic animal health strategy

## **ILRI – Food safety and zoonoses program**

- Food safety in marginalised communities in Zambia
  - Fish diseases and trade (SPS)
  - Intensive aquaculture & animal health



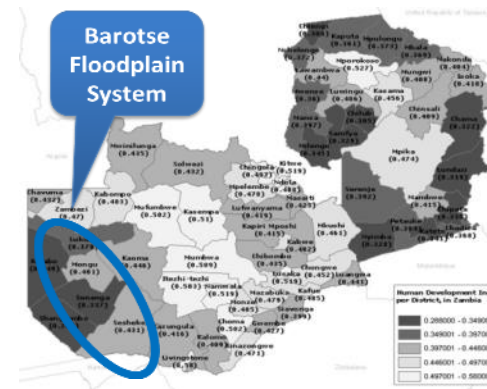
# ILRI food safety studies in Zambia: fish and milk?



- Rapid integrated assessment of safety of informal fish value chains in the AAS revealed a number of food safety issues
  - Provincial government stakeholders' meeting key findings highlighted that safety and improved preservation in milk and fish value chains should be prioritized
- Please tell us what you think is important (Advisory committee – DoH, UNZA, VS)

# Studies

- Safety along sour and raw milk value chains
- Safety & nutrition of fish under different preservation methods (fresh, dried, smoked, salted)
- Insecticide treated nets to control flies and contamination in fish markets
- Zoonotic risks associated with widespread consumption of dead and moribund animals



# Other interests

- Veterinary vaccination programmes
  - strategy and evaluation
    - CBPP, ECF, Newcastle
- Training for veterinary services
  - risk assessment, outbreak control, surveillance, vaccine evaluation...
- Disease control, trade and economics
- Fish health policy and trade

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ILRI has offices in:

Central America • East Africa

• South Asia • Southeast and East Asia

• Southern Africa • West Africa



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